

AMENDMENTS TO THE CLAIMS

1. (Currently amended) An apparatus comprising:

a patent foramen ovale (PFO) closure device having a deployed configuration for providing compressive force to septum primum and septum secundum and including:

a central body for extending through the PFO, wherein the central body is elongated and substantially linear and extends along a longitudinal axis of the device,

a first end cap, and a second end cap;

a first wire and a second wire extending from the first end cap to the second end cap;

the first wire and the second wire defining first and second loops on one side of the PFO, each of the first and second loops extending from the central body to the first end cap, and third and fourth loops on the other side of the PFO, each of the third and fourth loops extending from the central body to the second end cap, each of the first and second loops defining a first plane substantially parallel to septum primum and septum secundum, the first and second loops cooperating with the central body to apply a force, perpendicular to the first plane, to overlapping layers of septum primum and septum secundum, each of the third and fourth loops defining a second plane substantially parallel to septum primum and septum secundum, the third and fourth loops cooperating with the central body to apply a force, perpendicular to the second plane, to overlapping layers of septum primum and septum secundum, wherein the first and second wires are not overlapped by another wire in the first and second planes when in the deployed configuration.

Claims 2-3. (Cancelled)

4. (Previously presented) The apparatus of claim 1, where there are three or more loops on each side of the PFO.
5. (Previously presented) The apparatus of claim 1, wherein the central body and the first and second end caps are oriented in a line substantially perpendicular to septum primum and septum secundum.
6. (Original) The apparatus of claim 1, wherein the device has a collapsed configuration for delivery through a catheter.
7. (Original) The apparatus of claim 6, wherein the device includes nitinol.
8. (Original) The apparatus of claim 6, wherein the device includes a shape memory polymeric material.
9. (Original) The apparatus of claim 6, wherein the device is made from a shape memory material with properties such that the device, when delivered into a body, has a phase transition and assumes the deployed configuration.
10. (Original) The apparatus of claim 1, wherein the device is retrievable, redeployable, and repositionable.
11. (Original) The apparatus of claim 1, further comprising a material over the first and second loops for promoting tissue ingrowth.
12. (Original) The apparatus of claim 11, wherein the loops are made of a bioresorbable material.
13. (Previously presented) The apparatus of claim 11, further comprising a material over the third and fourth loops for promoting tissue ingrowth.

14. (Original) A method comprising delivering the PFO closure device of claim 1 through a catheter to a PFO.

Claims 15-16. (Cancelled)

17. (Original) A method comprising delivering the PFO closure device of claim 4 through a catheter to a PFO.

18. (Original) A method comprising delivering the PFO closure device of claim 1 through a catheter to a PFO, wherein the device includes a shape memory material.

19. (Original) A method comprising delivering the PFO closure device of claim 10 through a catheter to a PFO.

20. (Original) A method comprising delivering the PFO closure device of claim 11 through a catheter to a PFO.

21. (Original) A method comprising delivering the PFO closure device of claim 12 through a catheter to a PFO.

22. (Original) A method comprising delivering the PFO closure device of claim 12 through a catheter to a PFO, and drawing the device back into the catheter.

Claims 23-24. (Cancelled)

25. (New) The apparatus of claim 1, wherein the first and second loops together have a first axis that bisects the first and second loops, the first axis being adapted for alignment with a longitudinal axis defined by the septum primum and septum secundum.

26. (New) The apparatus of claim 25, wherein the third and fourth loops together have a second axis that bisects the third and fourth loops, the second axis being adapted for alignment with the longitudinal axis defined by the septum primum and septum secundum.

27. (New) The method of claim 14, further comprising aligning a first axis defined by the first and second loops when in the deployed configuration with a longitudinal axis defined by the septum primum and septum secundum, wherein the first axis bisects the first and second loops.

28. (New) The method of claim 27, further comprising aligning a second axis defined by the third and fourth loops when in the deployed configuration with the longitudinal axis defined by the septum primum and septum secundum, wherein the second axis bisects the third and fourth loops.